

Figure 1A

1 60

SEQ ID NO:2
 SEQ ID NO:4
 SEQ ID NO:6
 SEQ ID NO:8
 SEQ ID NO:10
 SEQ ID NO:12
 SEQ ID NO:13
 SEQ ID NO:14

 RPFHFINQTEPLVHTHTQOPSPAPASQ-GQRQNTLLSPTPLAVILVNPQRAPVLP

 -----ARATAKALRQPCYAGIFRNI EC-GPSPAESLGFPKLRG-----INV
 -----TRADAGERMA-----G
 T-----
 -----MIGSVKRPVSCVLP EFDFTTESTGLGKSSSVKLPVNF G-----AFG
 -----MIAAGAKSL-----GLSMASPK-----G-----IFD

61 120

SEQ ID NO:2
 SEQ ID NO:4
 SEQ ID NO:6
 SEQ ID NO:8
 SEQ ID NO:10
 SEQ ID NO:12
 SEQ ID NO:13
 SEQ ID NO:14

SAA-----AAVAGISSSSA-----
 GLTPSDAPLPALVIHGLTPRSSHSSAGLASDSGRREGEGRGARTHCHRGIGRWVRRRRRN

 TGLHCGRGLVVLRAKSKPIRAKEN--ASVSASLID-DWFKPITAKED-----S
 SEA-----VPVVAAGKQ-----VNG-----

 SGG--GEVKLGFLAPIKATEGSKTSS--FQVNGKVDNFRHLQPSDCNSN-----S
 SNSMSNSRSVVVRACVSMDSQTL S--HNKNGSIPEVKS I-----

121 180

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 SEQ ID NO:12
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 SEQ ID NO:14

-----LVTSTVGKSTNLIWMHECAIGQKERQGLLNQKGCVVWITGLSGSGK
 GAAPGEAPHSPVKEKPVMSNIGKSTNLIWMHNC LIQSDRQKLLGQKGCVVWITGLSGSGK
 -----SIVPKASNIFWHDCAVGQADRQKLLKQKGCVVWITGLSGSGK
 NAE-DRTSSFSGKNLTQMSNVGNSTNIMWHD CPIQKQDRQQLLQQGCVIWITGLSGSGK
 -----SAMAGIDKLVTSVVGKSTNVLMHDCPIGQFERQELLNQKGCVVWITGLSGSGK

 DSSLNNGNPGPKILQTTTVGNSTNLIWMHCAVEKSERQEPLOQRGCVIWITGLSGSGK
 -----NGHTGQKQGPLSTVGNSTN I KWHECSVEKVD RQRLLDQKGCVIWITGLSGSGK



Figure 1B

181
240
SEQ ID NO: 2 STLACALSRELHGRGHLTYVLDGDNLRHGLNRDLSFGAEDRAENIRRVGEVAKLFADAGL
SEQ ID NO: 4 STLACALSRELHGRGHLTYVLDGDNLRHGLNRDLSFGAEDRAENIRRVGEVAKLFADAGV
SEQ ID NO: 6 STLACTIONLRELHGRGHLTYVLDGDNLRHGLNRDLSFGAEDRAENIRRVGEVAKLFADAGL
SEQ ID NO: 8 STLACTIONLRELHGRGHLTYVLDGDNLRHGLNRDLSFGAEDRAENIRRVGEVAKLFADAGV
SEQ ID NO: 10 STLACALSRELHGRGHLTYVLDGDNLRHGLNRDLSFGAEDRAENIRRVGEVAKLFADAGL
SEQ ID NO: 12 STLACALSRELHGRGHLTYVLDGDNLRHGLNRDLSFGAEDRAENIRRVGEVAKLFADAGV
SEQ ID NO: 13 STLACALSRELHGRGHLTYVLDGDNLRHGLNRDLSFGAEDRAENIRRVGEVAKLFADAGV
SEQ ID NO: 14 STLACALSRELHGRGHLTYVLDGDNLRHGLNRDLSFGAEDRAENIRRVGEVAKLFADAGV
241
300
SEQ ID NO: 2 VCIASLISPYRSDRSACRDLPHKHSFIEVFLDVPLQVCEARDPKGLYKLARAGKIKGFTG
SEQ ID NO: 4 VCIASLISPYRSDRSACRDLPHKHSFIEVFLDVPLQVCEARDPKGLYKLARAGKIKGFTG
SEQ ID NO: 6 VCIASLISPYRSDRSACRDLPHKHSFIEVFLDVPLQVCEARDPKGLYKLARAGKIKGFTG
SEQ ID NO: 8 VCIASLISPYRSDRSACRDLPHKHSFIEVFLDVPLQVCEARDPKGLYKLARAGKIKGFTG
SEQ ID NO: 10 VCIASLISPYRSDRSACRDLPHKHSFIEVFLDVPLQVCEARDPKGLYKLARAGKIKGFTG
SEQ ID NO: 12 VCIASLISPYRSDRSACRDLPHKHSFIEVFLDVPLQVCEARDPKGLYKLARAGKIKGFTG
SEQ ID NO: 13 VCIASLISPYRSDRSACRDLPHKHSFIEVFLDVPLQVCEARDPKGLYKLARAGKIKGFTG
SEQ ID NO: 14 VCIASLISPYRSDRSACRDLPHKHSFIEVFLDVPLQVCEARDPKGLYKLARAGKIKGFTG
301
344
SEQ ID NO: 2 IDDPYEPSPDCEIIVIQCKVGDCEPSPESMAGHVVSYLETNGFLQD
SEQ ID NO: 4 IDDPYEPSPDCEIIVIQCKVGDCEPSPESMAGHVVSYLETNGFLQD
SEQ ID NO: 6 IDDPYEPSPDCEIIVIQCKVGDCEPSPESMAGHVVSYLETNGFLQD
SEQ ID NO: 8 IDDPYEPSPDCEIIVIQCKVGDCEPSPESMAGHVVSYLETNGFLQD
SEQ ID NO: 10 IDDPYEPSPDCEIIVIQCKVGDCEPSPESMAGHVVSYLETNGFLQD
SEQ ID NO: 12 IDDPYEPSPDCEIIVIQCKVGDCEPSPESMAGHVVSYLETNGFLQD
SEQ ID NO: 13 IDDPYEPSPDCEIIVIQCKVGDCEPSPESMAGHVVSYLETNGFLQD
SEQ ID NO: 14 IDDPYEPSPDCEIIVIQCKVGDCEPSPESMAGHVVSYLETNGFLQD

